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Results 41 - 53 of 53

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41 [Vagueness and uncertainty in information retrieval: how can fuzzy sets help?](#)

 [Donald H. Kraft, Gabriella Pasi, Gloria Bordogna](#)

December 2006 **I W R I D L '06**: Proceedings of the 2006 international workshop on Research issues in digital libraries

Publisher: ACM

Full text available:  [Pdf \(224.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 86, Citation Count: 0

The field of fuzzy information systems has grown and is maturing. In this paper, some applications of fuzzy set theory to information retrieval are described, as well as the more recent outcomes of research in this field. Fuzzy set theory is applied ...

Keywords: artificial intelligence, clustering, fuzzy indexing, fuzzy set, fuzzy set theory, genetic programming, imprecision, information retrieval, rough sets, uncertainty, vagueness

42 [Dynamically growing hypertext collections](#)

 [Pratik Dave, Paul Logasa Bogen, II, Unmil P. Karadkar, Luis Francisco-Revilla, Richard Furuta, Frank Shipman](#)

August 2004 **HYPertext '04**: Proceedings of the fifteenth ACM conference on Hypertext and hypermedia

Publisher: ACM 

Full text available:  [Pdf \(727.53 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 24, Citation Count: 2

Found 53 of 1,309,669

Many approaches have been pursued over the years to facilitate creating, organizing, and sharing collections of materials extracted from large information spaces. Little attention, in the context of hypertext collections, has been paid to the addition ...

Keywords: RSS, WWW, Walden's paths, hypertext collections, path-centric browsing, web site syndication

43 EXPedite: a system for encoded XML processing

 [Yi Chen, George A. Mihaila, Susan B. Davidson, Sriram Padmanabhan](#)

November 2004 **CIKM '04**: Proceedings of the thirteenth ACM international conference on Information and knowledge management

Publisher: ACM 

Full text available:  [Pdf \(217.31 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 30, Citation Count: 2

As XML becomes an increasingly popular format for information exchange, the efficient processing of broadcast XML data on a constrained device (for example, a cell phone or a PDA) becomes a critical task. In this paper we present the EXPedite system: ...

Keywords: XML, XPath, binary encoding, query processing

44 Dynamic personalized pagerank in entity-relation graphs

 [Soumen Chakrabarti](#)

May 2007 **WWW '07**: Proceedings of the 16th international conference on World Wide Web

Publisher: ACM

Full text available:  [Pdf \(489.71 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 129, Citation Count: 7

Extractors and taggers turn unstructured text into entity-relation(ER) graphs where nodes are entities (email, paper, person, conference, company) and edges are relations (wrote, cited, works-for). Typed proximity search of the form type= personNEAR ...

Keywords: graph proximity search, personalized pagerank

45 [A new algorithm for clustering search results](#)

Giansalvatore Mecca, Salvatore Raunich, Alessandro Pappalardo

September **Data & Knowledge Engineering**, Volume 62 Issue 3
2007

Publisher: Elsevier Science Publishers B. V.

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 1

We develop a new algorithm for clustering search results. Differently from many other clustering systems that have been recently proposed as a post-processing step for Web search engines, our system is not based on phrase analysis inside snippets, but ...

Keywords: Clustering, Document classification, Latent semantic indexing, Search engines, Web

46 [Automatically sharing web experiences through a hyperdocument recommender system](#)

Alessandra Alaniz Macedo, Khai N. Truong, José Antonio Camacho-Guerrero, Maria da Graça Pimentel

August **HYPERTEXT '03**: Proceedings of the fourteenth ACM conference on 2003 Hypertext and hypermedia

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (620.88 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 41, Citation Count: 10

As an approach that applies not only to support user navigation on the Web, recommender systems have been built to assist and augment the natural social process of asking for recommendations from other people. In a typical recommender system, people ...

Keywords: information retrieval, open hypermedia, recommender systems, semantic structures, web

47 [A case study of behavior-driven conjoint analysis on Yahoo! front page today module](#)

Wei Chu, Seung-Taek Park, Todd Beaupre, Nitin Motgi, Amit Phadke, Seinjuti Chakraborty, Joe Zachariah

June **KDD '09**: Proceedings of the 15th ACM SIGKDD international conference 2009 on Knowledge discovery and data mining

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (509.82 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 6, Citation Count: 0

Conjoint analysis is one of the most popular market research methodologies for assessing how customers with heterogeneous preferences appraise various objective characteristics in products or services, which provides critical inputs for many marketing ...

Keywords: classification, clustering, conjoint analysis, logistic regression, segmentation, tensor product

48 [Nereau: a social approach to query expansion](#)

 [Claudio Biancalana, Alessandro Micarelli, Claudio Squarcella](#)

October 2008 **WIDM '08**: Proceeding of the 10th ACM workshop on Web information and data management

Publisher: ACM 

Full text available:  [Pdf \(288.68 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 69, Citation Count: 0

Classical query expansion techniques can be roughly divided into two groups: the statistical approach, which consists of the selection of top-ranked terms from relevant sources based on co-occurrence values, and the semantic approach, where candidate ...

Keywords: keyword co-occurrences, keyword extraction, personalized web search, query expansion, social bookmarking

49 [Searching and navigating petabyte-scale file systems based on facets](#)

 [Jonathan Koren, Andrew Leung, Yi Zhang, Carlos Maltzahn, Sasha Ames, Ethan Miller](#)

November 2007 **PDSW '07**: Proceedings of the 2nd international workshop on Petascale data storage: held in conjunction with Supercomputing '07

Publisher: ACM

Full text available:  [Pdf \(102.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 69, Citation Count: 0

As users interact with file systems of ever increasing size, it is becoming more difficult for them to familiarize themselves with the entire contents of the file system. In petabyte-scale systems, users must navigate a pool of billions of shared files ...

Keywords: enterprise search, faceted search, information retrieval, metadata, petabyte-scale storage, semantic file system, virtual directory

50 [Conversation Map: An Interface for Very Large-Scale Conversations](#)
[Warren Sack](#)
December [Journal of Management Information Systems](#), Volume 17 Issue 2000 [3](#)
Publisher: M. E. Sharpe, Inc.
Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)
Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 4

Very large-scale conversation (VLSC) involves the exchange of thousands of electronic mail (e-mail) messages among hundreds or thousands of people. Usenet newsgroups are good examples (but not the only examples) of online sites where VLSCs take place. ...

Keywords: In The Social Sciences Social And Semantic Networks Can Be Used As Representations

51 [A web-based bayesian intelligent tutoring system for computer programming](#)
[C. J. Butz, S. Hua, R. B. Maguire](#)
January [Web Intelligence and Agent System](#), Volume 4 Issue 1 2006
Publisher: IOS Press
Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 1

In this paper, we present a Web-based intelligent tutoring system, called BITS. The decision making process conducted in our intelligent system is guided by a Bayesian network approach to support students in learning computer programming. Our system ...

Keywords: Bayesian Networks, Intelligent Agents, Intelligent Tutoring Systems

52 [Models for reader interaction systems](#)
 [Daniel Berleant](#)
November [CI KM '00: Proceedings of the ninth international conference on Information and knowledge management](#)
2000
Publisher: ACM 
Full text available:  [PDF \(210.85 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 29, Citation Count: 0

Keywords: browsers, browsing, foraging, metaphors, models, navigation, paradigms, reading, text

53 [Mining world knowledge for analysis of search engine content](#)

John D. King, Yuefeng Li, Xiaohui Tao, Richi Nayak

August 2007 **Web Intelligence and Agent Systems**, Volume 5 Issue 3

Publisher: IOS Press

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 1

Little is known about the content of the major search engines. We present an automatic learning method which trains an ontology with world knowledge of hundreds of different subjects in a three-level taxonomy covering the documents offered in our university ...

Keywords: Ontology, collection selection, data mining, hierachal classification, search engines, taxonomy

Result page: << [previous](#) [1](#) [2](#) [3](#)

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